

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Not for submission under 37 CFR 1.99)

Application Number	10688125
Filing Date	2003-10-17
First Named Inventor	Jonathan N. Howarth
Art Unit	1615
Examiner Name	Neil S. Levy
Attorney Docket Number	SU-7155-C

U.S. PATENTS[Remove](#)

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4297224		1981-10-27	Macchiarolo et al.	
	2	4966716		1990-10-30	Favstritsky et al.	
	3	5464636		1995-11-07	Hight et al.	
	4	5490983		1996-02-13	Worley et al.	
	5	5527547		1996-06-18	Hight et al.	
	6	5565109		1996-10-15	Sweeny	

If you wish to add additional U.S. Patent citation information please click the Add button.

[Add](#)**U.S. PATENT APPLICATION PUBLICATIONS**[Remove](#)

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
-------------------	---------	--------------------	------------------------	------------------	---	--

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.L./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10688125
Filing Date	2003-10-17
First Named Inventor	Jonathan N. Howarth
Art Unit	1615
Examiner Name	Neil S. Levy
Attorney Docket Number	SU-7155-C

1						
---	--	--	--	--	--	--

If you wish to add additional U.S. Published Application citation information please click the Add button [Add](#)

FOREIGN PATENT DOCUMENTS

[Remove](#)

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	8802987	WO	A1	1988-05-05	Great Lakes Chemical Corporation		<input type="checkbox"/>
	2	9015780	WO	A1	1990-12-27	University of Houston		<input type="checkbox"/>
	3	9304987	WO	A1	1993-03-18	Monsanto Company		<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add](#)

NON-PATENT LITERATURE DOCUMENTS

[Remove](#)

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	E-Space Abstract of CN1432279, published 2003-07-30, A01N43/50.	<input type="checkbox"/>
	2	HCAPLUS Abstract of JP07171576 A2 issued 1995.	<input type="checkbox"/>
	3	HCAPLUS Abstract of JP07277912 A2 issued 1995.	<input type="checkbox"/>

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.L./

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10688125
Filing Date	2003-10-17
First Named Inventor	Jonathan N. Howarth
Art Unit	1615
Examiner Name	Neil S. Levy
Attorney Docket Number	SU-7155-C

4	HCAPLUS Abstract of JP08027119 A2 issued 1996.	<input type="checkbox"/>
5	Author Unknown, King Technology Online - Main Page Website. < http://kingtechnology.com/ >, visited August 10, 2001, 1 page.	<input type="checkbox"/>
6	Author Unknown, Sani-King Spa Feeder - Operating Instructions Website. < http://www.kingtechnology.com/spafeederops.htm >, August 10, 2001, 2 pages.	<input type="checkbox"/>
7	Bartholomew, R.D., "Bromine-based Biocides for Cooling Water Systems: A Literature Review," Paper IWC 98-74 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 1998), 30 pages.	<input type="checkbox"/>
8	Bromicide Microbiocide, A Safer Approach to Water Management, Great Lakes Chemical Corporation Brochure, 1993, 3 pgs.	<input type="checkbox"/>
9	Conley, J.C., E.H. Puzig, and J.E. Alleman, "Bromine Chemistry an Alternative to Dechlorination in Cooling Water and Wastewater Disinfection," IWC-87-42 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 1987), pp. 389-395.	<input type="checkbox"/>
10	Elsmore, R., "Development of Bromine Chemistry in Controlling Microbial Growth in Water Systems," International Biodeterioration and Biodegradation (1994) 245-253.	<input type="checkbox"/>
11	Goncharuk, E.I., et al., "Toxicological-Hygienic Evaluation of a New Bactericidal Preparation, Dibromodimethylhydantoin ("Dibromantine") used for Water Disinfection in Swimming Pools", G.g. Sanit. (1971), 36 (5), pp. 96-99.	<input type="checkbox"/>
12	Kuechler, T.C., et al., "Development of Monsanto's Towerbrom® Microbiocide, A New Bromine Microbiocide for Recirculating Water Systems," (McLean, VA: Association of Water Technologies, 1991), 1991 AWT Conference, pp. 1-23.	<input type="checkbox"/>
13	Kuechler, T.C., "A Towerbrom® Progress Report," (McLean, VA: Association of Water Technologies, 1993), pp. 1-15.	<input type="checkbox"/>
14	Larson, D.S., et al., "Improved Microbiological Control Using Halogen Donors in a Pasteurizer," MBAA Technical Quarterly (1993) 30: 173-178.	<input type="checkbox"/>

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10688125
Filing Date	2003-10-17
First Named Inventor	Jonathan N. Howarth
Art Unit	1615
Examiner Name	Neil S. Levy
Attorney Docket Number	SU-7155-C

15	Ludyanskiy, M.L. and F.J. Himpler, "The Effect of Halogenated Hydantoin on Biofilms," paper 405 (Corrosion 97, Houston, TX: NACE International, 1997), pp. 405/1 - 405/11.	<input type="checkbox"/>
16	Mattila-Sandholm, T. and G. Wirtanen, "Biofilm Formation in the Industry: A Review", Food Reviews International, 8(4), 1992, pp. 573-603.	<input type="checkbox"/>
17	McCall, E., J.E. Stout, V.L. Yu, and R. Vidic, "Efficacy of Biocides against Biofilm-Associated Legionella in a Model System," paper IWC 99-19 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 1999), 7 pages.	<input type="checkbox"/>
18	"Minimizing the Risk of Legionellosis Associated with Building Water Systems," ASHRAE Guideline 12-2000 (Atlanta, GA: ASHRAE, 2000), 19 pages.	<input type="checkbox"/>
19	Nelson, G.D., "Chloramines and Bromamines," Kirk Othmer Encyclopedia of Chemical Technology, Vol. 5, pp. 565-580 (New York, NY: John Wiley and Sons, 1979).	<input type="checkbox"/>
20	Peterson, J.C., "Practical Air Washer Treatment in Synthetic Fiber Manufacturing Plants," paper IWC-87-39 (Pittsburgh, PA: Engineers' Society of Western Pennsylvania, 1987), pp. 366-370.	<input type="checkbox"/>
21	Spurrell, C. and J.S. Clavin, "Solid Halogen Donor Economically Answers the Challenge of SARA Title III and Corrosion Concerns," paper 474 (Corrosion 93, NACE Annual Conference and Corrosion Show, 1993), pp. 474/1 - 474/15.	<input type="checkbox"/>
22	Sweeny, P., M. Ludensky, and O. Borokhov, "Mill Performance of a Brominated Methylenehydantoin Slimicide," pp. 437-447, Proceedings of the 1999 TAPPI Papermakers Conference (Norcross, GA: TAPPI, 1999).	<input type="checkbox"/>
23	Zhang, Z., "Disinfection Efficiency and Mechanisms of 1-Bromo, 3-Chloro, 5,5-Dimethylhydantoin," Doctoral Dissertation, University of Houston, May 1988, pp. 160-163.	<input type="checkbox"/>
24	Zhang, Z. and J.V. Matson, "Organic Halogen Stabilizers: Mechanisms and Disinfection Efficiencies," paper TP89-05 (Houston, TX: Cooling Tower Institute, 1989), pp. 1-19.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.L./

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10688125
Filing Date	2003-10-17
First Named Inventor	Jonathan N. Howarth
Art Unit	1615
Examiner Name	Neil S. Levy
Attorney Docket Number	SU-7155-C

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.L./

EXAMINER SIGNATURE

Examiner Signature	/Neil Levy/	Date Considered	12/16/2008
--------------------	-------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.